

Title (en)

Apparatus for dispensing slurry

Title (de)

Polieraufschlammungspender

Title (fr)

Distributeur de suspension de polissage

Publication

EP 0914904 A2 19990512 (EN)

Application

EP 98309026 A 19981104

Priority

- US 96506797 A 19971105
- US 11372798 A 19980710

Abstract (en)

A slurry dispenser dispensing slurry by a rotating wheel is provided in a chemical mechanical polishing process used in manufacturing integrated circuits. In a second configuration, the slurry dispenser uses a pair of counter-rotating wheels. The wheels are driven by variable speed motors at a predetermined speed empirically determined to dispense a desired amount of slurry. The shape of the rotating wheels controls the vertical distribution of the spray. Openings in the housing of the slurry dispenser and the speed of rotation of the wheels controls the horizontal distribution of the spray. The slurry dispenser can be constructed out of materials chemically inert with respect to the slurry. <IMAGE> <IMAGE>

IPC 1-7

B24B 37/04; **B24B 57/02**

IPC 8 full level

B01J 4/00 (2006.01); **B24B 37/04** (2012.01); **B24B 57/02** (2006.01); **H01L 21/304** (2006.01); **H01L 21/302** (2006.01)

CPC (source: EP KR US)

B24B 37/04 (2013.01 - EP US); **B24B 57/02** (2013.01 - EP US); **H01L 21/304** (2013.01 - KR); **H01L 21/302** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0914904 A2 19990512; **EP 0914904 A3 20020710**; CN 1092544 C 20021016; CN 1223194 A 19990721; JP H11216667 A 19990810; KR 19990045034 A 19990625; TW 380082 B 20000121; US 6098901 A 20000808

DOCDB simple family (application)

EP 98309026 A 19981104; CN 98123943 A 19981105; JP 31273298 A 19981104; KR 19980047309 A 19981105; TW 87118375 A 19981119; US 11372798 A 19980710